



Cotton/Soybean Insect Newsletter

Volume 6, Issue #6

Edisto Research & Education Center in Blackville, SC

9 June 2011

Pest Patrol Hotline

If you do not have access to this newsletter but want the information contained herein each week, there is a toll-free hotline for insect problems updated here. I will update the short message weekly for at least as long as the newsletter runs. Call the free number **(877) 285-8525** and select the messages you would like to hear. Select #3 for the Southeast, and select #1 to hear my message. The hotline is sponsored by Syngenta.

News from Above the Lakes

Dr. (JC) Chong reported that he found a single kudzu bug on 3 June in a trap he set up in Brookgreen Gardens, near Murrell's Inlet in northeastern Georgetown County. Because of this single specimen in a trap, we are treating it as a "hitchhiker" for now in that county and are waiting on positive confirmation as established on a host plant (kudzu, soybean, garden beans, etc.) before documenting it as established in Georgetown County.

News from Below the Lakes

It is hot and dry down here...pretty much sums it up at this point.

News from the Piedmont/Upstate

I forgot to mention last week that Chris Talley, county agent covering Anderson, Pickens, and Spartanburg Counties found kudzu bugs in kudzu and soybeans in Spartanburg County last week.

Cotton Situation

As of 6 June 2011, the USDA NASS South Carolina Statistical Office had our progress at about 94% of the crop being planted, slightly behind where we were last year at 97% and the 5-yr average of 96%. Temperatures have remained high, with very little rainfall. The overall soil moisture levels in the state were described as 21% very short, 53% short, 26% adequate, and 0% surplus. Conditions for cotton were reported as 2% very poor, 13% poor, 43% fair, 41% good and 1% excellent. These are observed/perceived state-wide averages.

Cotton Insect Control Guide

Clemson University Publication IC97 (Cotton Insect Management) has been revised for 2011 and is available free from your local county office. It is also available online at:

<http://www.clemson.edu/psapublishing/pages/ENTOM/IC97.PDF>

The Clemson University Cooperative Extension Service offers its programs to people of all ages, regardless of race, color, sex, religion, national origin, disability, political beliefs, sexual orientation, marital or family status and is an equal opportunity employer. Clemson University Cooperating with U.S. Department of Agriculture, South Carolina Counties, Extension Service, Clemson, South Carolina.

Public Service Activities

The mention of any commercial product in this publication does not imply its endorsement by Clemson University over other products not named, nor does the omission imply that they are not satisfactory.



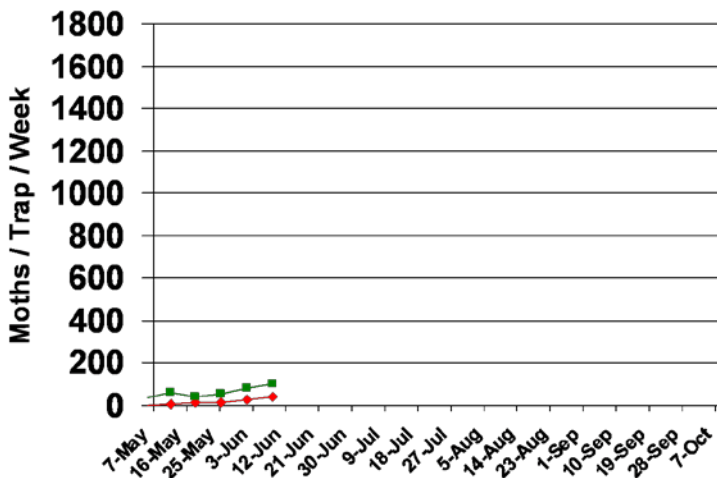
Bollworm & Tobacco Budworm



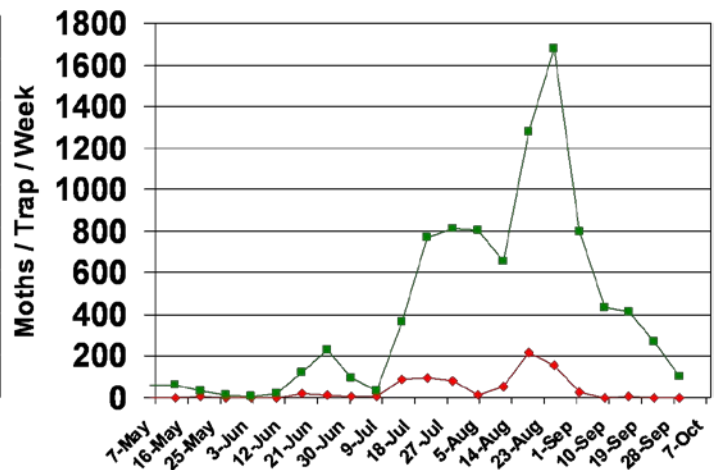
Captures of bollworm (BW) and tobacco budworm (TBW) moths in pheromone traps at EREC last season and this season are shown below. We are a little higher than where we were last year with numbers captured in traps at this point in the season. Tobacco budworm continues to be important for our soybean acres and for a limited number of non-Bt-cotton acres. I provide these data as a measure of moth activity in our local area where I use these data as an indication of moth presence and activity near my research plots. The numbers are not necessarily representative of the species throughout the state.



Pheromone Trap Capture SC - 2011



Pheromone Trap Capture SC - 2010



Soybean Situation

As of 6 June 2011, the USDA NASS South Carolina Statistical Office had our progress at about 75% of soybeans as planted, well ahead of where we were last year at 61% and the 5-yr average of 59%. About 57% of soybeans have emerged, compared with 49% last year and 44% for the 5-yr average. Conditions for soybeans were reported as 3% very poor, 15% poor, 39% fair, 43% good and 0% excellent. These are observed/perceived state-wide averages.

Kudzu Bug/Bean Plataspid

The kudzu bug (a.k.a. bean plataspid), *Megacopta cribraria*, continues to spread in SC and the Southeast. We have it confirmed in 36 of 46 counties in SC. ***It has been found on kudzu and/or soybeans in these counties, but it will feed on legumes in general, so it could be on other hosts, and it might be present but yet to be detected in other counties.*** Any sampling assistance in unconfirmed areas will be a big help. The best place to

The Clemson University Cooperative Extension Service offers its programs to people of all ages, regardless of race, color, sex, religion, national origin, disability, political beliefs, sexual orientation, marital or family status and is an equal opportunity employer. Clemson University Cooperating with U.S. Department of Agriculture, South Carolina Counties, Extension Service, Clemson, South Carolina.

Public Service Activities

The mention of any commercial product in this publication does not imply its endorsement by Clemson University over other products not named, nor does the omission imply that they are not satisfactory.



look for these pests is in/around kudzu. If you want to help document new county finds of this pest, digital pictures or specimens preserved in alcohol are important documentation to get from infested areas. **Please email/send that information to me only if the infestation is in SC and is a new county observation.**



Eggs



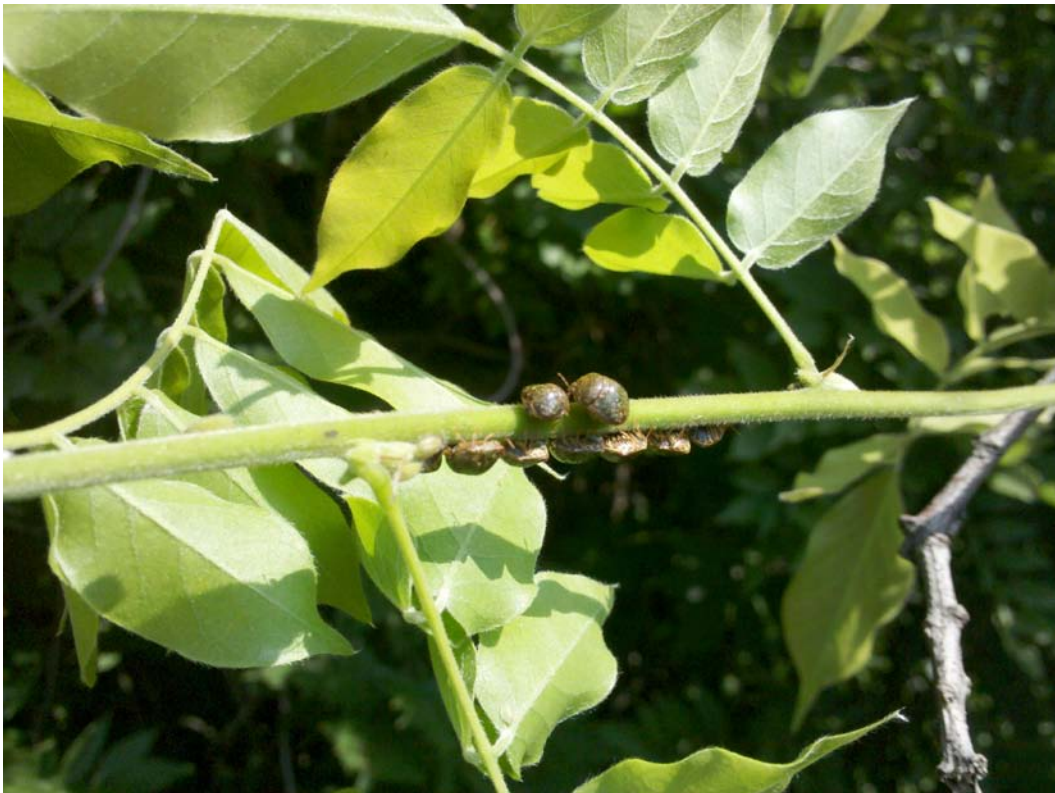
Nymphs



Adults



In addition to kudzu bugs colonizing kudzu, soybeans, lima beans, etc, they can be found on other legumes and non-legumes. We have had them reported on figs, peaches, wisteria, etc. On Monday, I took the photo below of kudzu bugs on wisteria. Some of the bugs were mating, so they were settled in on that host. We are progressing with our research on this new, invasive species and its damage potential in soybeans and hope to have some answers and additional data soon.



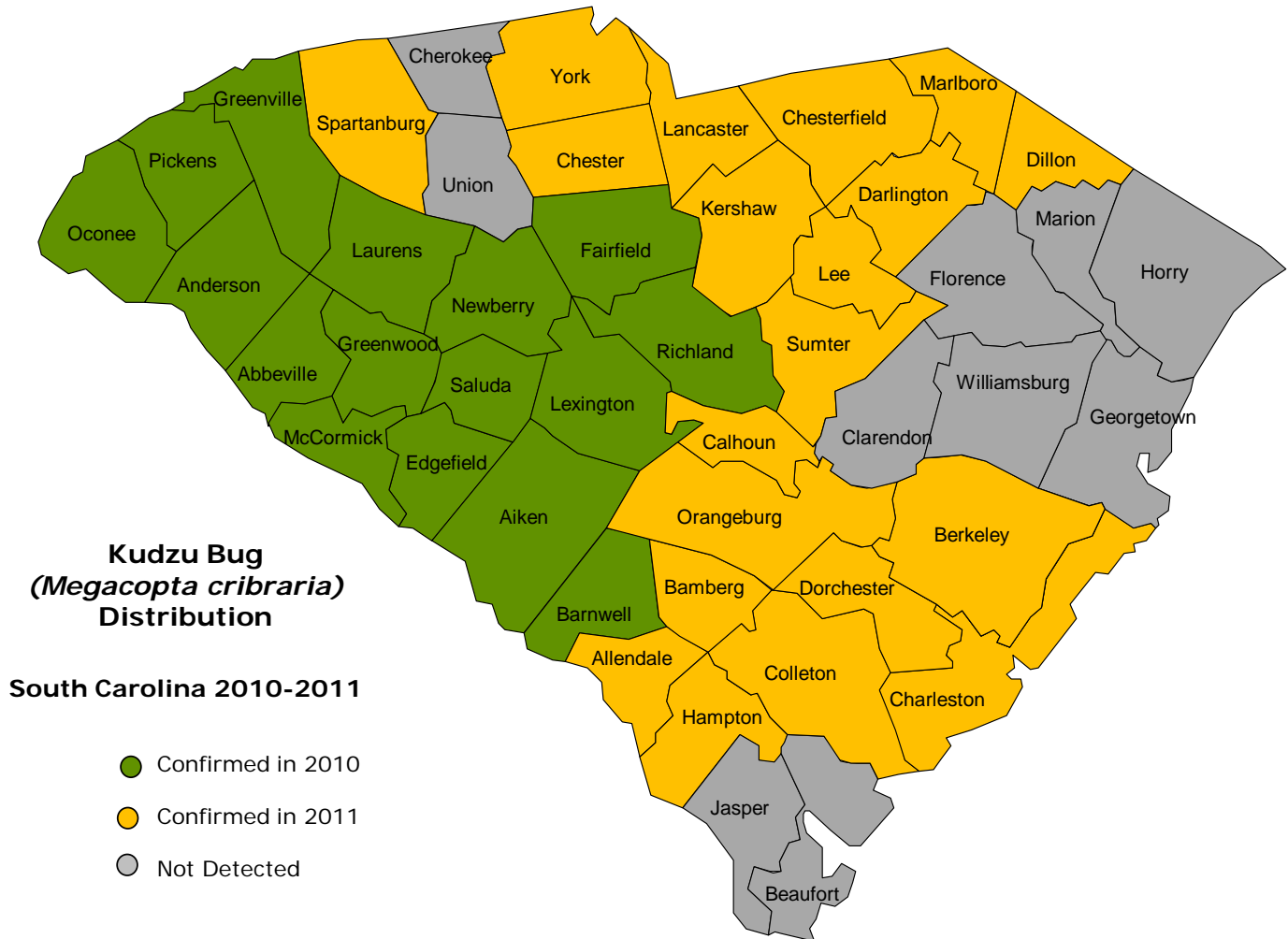
The Clemson University Cooperative Extension Service offers its programs to people of all ages, regardless of race, color, sex, religion, national origin, disability, political beliefs, sexual orientation, marital or family status and is an equal opportunity employer. Clemson University Cooperating with U.S. Department of Agriculture, South Carolina Counties, Extension Service, Clemson, South Carolina.

Public Service Activities

The mention of any commercial product in this publication does not imply its endorsement by Clemson University over other products not named, nor does the omission imply that they are not satisfactory.



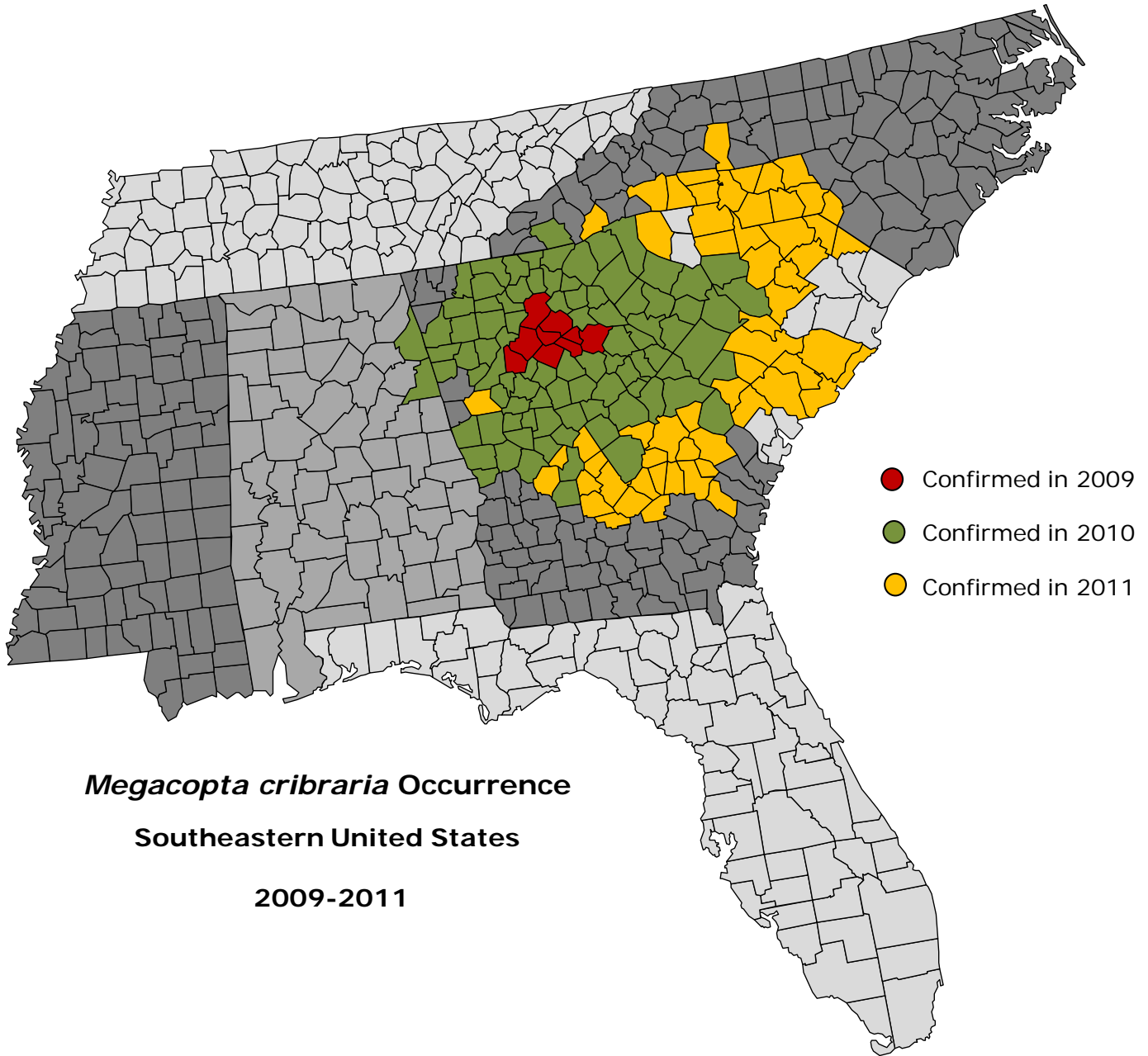
The latest known distribution of the kudzu bug in SC is represented below. We have just 10 counties remaining that have not reported the insect as established on a host. The kudzu bug has now been confirmed on many more counties in GA and in NC as of last week. That is represented on the map of the Southeast (next page).



The Clemson University Cooperative Extension Service offers its programs to people of all ages, regardless of race, color, sex, religion, national origin, disability, political beliefs, sexual orientation, marital or family status and is an equal opportunity employer. Clemson University Cooperating with U.S. Department of Agriculture, South Carolina Counties, Extension Service, Clemson, South Carolina.

Public Service Activities

The mention of any commercial product in this publication does not imply its endorsement by Clemson University over other products not named, nor does the omission imply that they are not satisfactory.



***Megacopta cribraria* Occurrence**
Southeastern United States
2009-2011

Soybean Insect Control Guide

Clemson University Publication SL1 (Soybean Insect Management) has been revised for 2011 and is available free from your local county office. It is also available online at:
<http://www.clemson.edu/psapublishing/pages/AGRO/SL1.PDF>

The Clemson University Cooperative Extension Service offers its programs to people of all ages, regardless of race, color, sex, religion, national origin, disability, political beliefs, sexual orientation, marital or family status and is an equal opportunity employer. Clemson University Cooperating with U.S. Department of Agriculture, South Carolina Counties, Extension Service, Clemson, South Carolina.

Public Service Activities

The mention of any commercial product in this publication does not imply its endorsement by Clemson University over other products not named, nor does the omission imply that they are not satisfactory.



Pest Management Handbook - 2011

Insect control recommendations are also available online in the 2011 Pest Management Handbook at:

<http://www.clemson.edu/extension/rowcrops/pest/index.html>

Need More Information?

Log on to the following web pages to view important cotton management recommendations, data, and historical cotton/soybean insect newsletters:

For more cotton and soybean information:

<http://www.clemson.edu/public/rec/edisto/research/index.html>

For past newsletters:

http://www.clemson.edu/extension/rowcrops/cotton/pest_management/newsletters/index.html

Sincerely,

Jeremy K. Greene, Ph.D.

Associate Professor – Entomologist



Visit our website at:

<http://www.clemson.edu>

The Clemson University Cooperative Extension Service offers its programs to people of all ages, regardless of race, color, sex, religion, national origin, disability, political beliefs, sexual orientation, marital or family status and is an equal opportunity employer. Clemson University Cooperating with U.S. Department of Agriculture, South Carolina Counties, Extension Service, Clemson, South Carolina.

Public Service Activities

The mention of any commercial product in this publication does not imply its endorsement by Clemson University over other products not named, nor does the omission imply that they are not satisfactory.